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12/10#2
OIPE

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/991,152

DATE: 11/29/2001

TIME: 10:52:10

Input Set : A:\es.txt

Output Set: N:\CRF3\11212001\I991152.raw

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3 <110> APPLICANT: Metabolix, Inc.
 4 Aquin, Stephanie
 5 Peoples, Oliver P.
 6 Snell, Kristi D.
 8 <120> TITLE OF INVENTION: PRODUCTION OF MEDIUM CHAIN LENGTH POLYHYDROXYALKANOATES FROM
 FATTY ACID
 9 BIOSYNTHETIC PATHWAYS
 11 <130> FILE REFERENCE: MBX 041
 C--> 13 <140> CURRENT APPLICATION NUMBER: US/09/991,152
 C--> 13 <141> CURRENT FILING DATE: 2001-11-16
 13 <160> NUMBER OF SEQ ID NOS: 15
 15 <170> SOFTWARE: PatentIn version 3.1
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119 <223> OTHER INFORMATION: PhaG in the bacterial expression construct pMTX-PhaG
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160 <220> FEATURE:
161 <223> OTHER INFORMATION: plasmid pTRCN-KPS1.2N. PhaC in the bacterial expression
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162         t pKPS1.2N
164 <400> SEQUENCE: 10
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169 cggcacgcac cgtgctgcgc caggccgtgc gccaacgcgt gcacagcgcc aagcatgtgg      180
171 cccacttttg cctggagctg aagaacgtgc tgctgggcaa gtccagcctt gccccgaaa      240
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179 cgaccaacac cctgtccaac ccggcagcag tcaaacgctt cttcgaaacc ggcggcaaga      480
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219 aaaaggcgcc gaccgcctg ggcaaccgtg cctatgccgc tggcgaggca tccccgggca      1680
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226 <212> TYPE: DNA
227 <213> ORGANISM: artificial sequence
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230 <223> OTHER INFORMATION: plasmid pSU-PhaCp.o.trc.PhaG
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237 cggcacgcac cgtgctgcgc caggccgtgc gccaacgcgt gcacagcgcc aagcatgtgg      180

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265 aaaacaaggt caatgccctg acctgctggt tcagcgtgct ggacaccacc atggacaacc 1020
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319 aagaccgcct gcgagaacac ccgcaatgtc atgctgggct tcctcaagcc aaccgtgcgt 2640
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328 <212> TYPE: DNA

329 <213> ORGANISM: artificial sequence

331 <220> FEATURE:

332 <223> OTHER INFORMATION: alkK in the bacterial expression construct pTRCNalkK

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339 gagaagtaac aagaagttgt tggaaagaag tggagcttcg tgctcgtaag ctgccttctg      180
341 cattgggcaa gatgggtctt acgcctagtg atcggttggtc aacgattgca tggacaata      240
343 ttcgatcatc tgaggtttac tacgctgtct ctggcgagag aatggatatg catacaatca      300
345 atccgaggct ttccattgag cagatcacat atgtgataaa ccatgaggag gataaggtag      360
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365 gcctcacgcg ggttgttgta ggaggttcgg cctgtcctgc gtctatgatt agagaattta      960
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369 gcacggcaaaa cactccactc gcgcaccacg tagatttata tccagatgaa aagctttcac      1080
371 tgcgcaaaaag ccaagggcgc ccgccttacg gtgtcgaggt aaaaatcggt aatgatgagg      1140
373 ggattagact acctgaagat ggtcgaagta aaggcaacct aatggcgcggt gggcactggg      1200
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377 ctggagacgt ggctaccata gattcggacg gtttcatgac aatctgtgat cgtgcaaagg      1320
379 acattataaa gtctggcggt gagtggatca gtacggtaga gctggagagt attgcgattg      1380
381 cgcaccctca tattgttgat gctgctgta tagctgcaag gcacgaaaaa tgggacgagc      1440
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385 attatttcgc agataagggtg gctagatggc aaattccaga tgccgctatc tttgttgaa      1560
387 aactgccacg caatgggtact ggcaagattt tgaagaatcg tttgcgcgag aaatatgggt      1620
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398 <223> OTHER INFORMATION: alkK in the plant expression construct pUC-C4PPDK.TS.AlkK

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VERIFICATION SUMMARY

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L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date